

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SQL> cl scr

SQL> SELECT Ename, Sal FROM Emp;

ENAME	SAL
KING	5000
BLAKE	2850
CLARK	2450
JONES	2975
MARTIN	1250
ALLEN	1600
TURNER	1500
JAMES	950
WARD	1250
FORD	3000
SMITH	800
SCOTT	3000
ADAMS	1100
MILLER	1300

14 rows selected.

SQL> SELECT * FROM SalGrade;

GRADE	LOSAL	HISAL
1	700	1200
2	1201	1400
3	1401	2000
4	2001	3000
5	3001	9999

SQL> SELECT E.Ename , E.Sal , S.Grade
2 FROM Emp E, SalGrade S
3 WHERE E.Sal BETWEEN S.Losal AND S.Hisal;

ENAME	SAL	GRADE
SMITH	800	1
JAMES	950	1
ADAMS	1100	1
WARD	1250	2
MARTIN	1250	2

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```
.....
MILLER          1300          2
TURNER          1500          3
ALLEN           1600          3
CLARK           2450          4
BLAKE           2850          4
JONES           2975          4
FORD            3000          4
SCOTT           3000          4
KING            5000          5
```

14 rows selected.

```
SQL> SELECT E.Ename, E.Sal, S.Grade
       2 FROM Emp E, SalGrade S
       3 WHERE E.Sal >= S.LoSal AND E.Sal <= S.HiSal;
```

ENAME	SAL	GRADE
SMITH	800	1
JAMES	950	1
ADAMS	1100	1
WARD	1250	2
MARTIN	1250	2
MILLER	1300	2
TURNER	1500	3
ALLEN	1600	3
CLARK	2450	4
BLAKE	2850	4
JONES	2975	4
FORD	3000	4
SCOTT	3000	4
KING	5000	5

14 rows selected.

```
SQL> cl scr
```

```
SQL> --WHERE Dept.Deptno = Emp.Deptno --INNER Join Syntax
SQL> --WHERE Dept.Deptno = Emp.Deptno(+) --OUTER Join Syntax
SQL> --WHERE Dept.Deptno = Emp.Deptno(+) AND Dept.Dname = 'RESEARCH'
SQL> --WHERE Dept.Deptno = Emp.Deptno(+) AND Emp.Job(+) = 'MANAGER'
SQL> --WHERE Dept.Deptno = Emp.Deptno(+) AND Emp.Sal(+) * 12 > 25000
SQL> cl scr
```

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```
SQL> SELECT E.Ename, D.Deptno, D.Dname
  2  FROM Emp E, Dept D
  3  WHERE E.Deptno (+) = D.Deptno
  4  ORDER BY E.Deptno;
```

ENAME	DEPTNO	DNAME
KING	10	ACCOUNTING
MILLER	10	ACCOUNTING
CLARK	10	ACCOUNTING
ADAMS	20	RESEARCH
SCOTT	20	RESEARCH
SMITH	20	RESEARCH
FORD	20	RESEARCH
JONES	20	RESEARCH
WARD	30	SALES
JAMES	30	SALES
TURNER	30	SALES
ALLEN	30	SALES
MARTIN	30	SALES
BLAKE	30	SALES
	40	OPERATIONS

15 rows selected.

```
SQL> ED
Wrote file afiedt.buf
```

```
  1  SELECT E.Ename, D.Deptno, D.Dname
  2  FROM Emp E, Dept D
  3  WHERE D.Deptno = E.Deptno (+)
  4* ORDER BY E.Deptno
SQL> /
```

ENAME	DEPTNO	DNAME
KING	10	ACCOUNTING
MILLER	10	ACCOUNTING
CLARK	10	ACCOUNTING
ADAMS	20	RESEARCH
SCOTT	20	RESEARCH
SMITH	20	RESEARCH
FORD	20	RESEARCH
JONES	20	RESEARCH

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```
WARD          30 SALES
JAMES         30 SALES
TURNER        30 SALES
ALLEN         30 SALES
MARTIN        30 SALES
BLAKE         30 SALES
              40 OPERATIONS
```

15 rows selected.

```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT E.Ename, D.Deptno, D.Dname
2  FROM Emp E, Dept D
3  WHERE D.Deptno(+) = E.Deptno
4* ORDER BY E.Deptno
SQL> /
```

ENAME	DEPTNO	DNAME
KING	10	ACCOUNTING
CLARK	10	ACCOUNTING
MILLER	10	ACCOUNTING
SMITH	20	RESEARCH
SCOTT	20	RESEARCH
ADAMS	20	RESEARCH
FORD	20	RESEARCH
JONES	20	RESEARCH
WARD	30	SALES
JAMES	30	SALES
TURNER	30	SALES
ALLEN	30	SALES
MARTIN	30	SALES
BLAKE	30	SALES

14 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT E.Ename, D.Deptno, D.Dname
2  FROM Emp E, Dept D
3  WHERE E.Deptno(+) = D.Deptno
4  AND E.Deptno = 10
```

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5 ORDER BY E.Deptno;

ENAME	DEPTNO	DNAME
KING	10	ACCOUNTING
CLARK	10	ACCOUNTING
MILLER	10	ACCOUNTING

SQL> ED

Wrote file afiedt.buf

```
1 SELECT E.Ename, D.Deptno, D.Dname
2 FROM Emp E, Dept D
3 WHERE E.Deptno(+) = D.Deptno
4 AND E.Deptno(+) = 10
5* ORDER BY E.Deptno
SQL> /
```

ENAME	DEPTNO	DNAME
KING	10	ACCOUNTING
CLARK	10	ACCOUNTING
MILLER	10	ACCOUNTING
	30	SALES
	40	OPERATIONS
	20	RESEARCH

6 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT E.Ename, E.Job, E.Sal, D.Deptno, D.Dname
2 FROM Emp E, Dept D
3 WHERE E.Deptno(+) = D.Deptno
4 AND E.Job = 'MANAGER'
5* ORDER BY E.Deptno
SQL> /
```

ENAME	JOB	SAL	DEPTNO	DNAME
CLARK	MANAGER	2450	10	ACCOUNTING
JONES	MANAGER	2975	20	RESEARCH
BLAKE	MANAGER	2850	30	SALES

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SQL> ED

Wrote file afiedt.buf

```
1  SELECT E.Ename, E.Job, E.Sal, D.Deptno, D.Dname
2  FROM Emp E, Dept D
3  WHERE E.Deptno(+) = D.Deptno
4  AND E.Job(+) = 'MANAGER'
5* ORDER BY E.Deptno
SQL> /
```

ENAME	JOB	SAL	DEPTNO	DNAME
CLARK	MANAGER	2450	10	ACCOUNTING
JONES	MANAGER	2975	20	RESEARCH
BLAKE	MANAGER	2850	30	SALES
			40	OPERATIONS

SQL> ED

Wrote file afiedt.buf

```
1  SELECT E.Ename, E.Job, E.Sal, D.Deptno, D.Dname
2  FROM Emp E, Dept D
3  WHERE E.Deptno(+) = D.Deptno
4  AND E.Job(+) = 'MANAGER'
5  AND E.Deptno(+) = 10
6* ORDER BY E.Deptno
SQL> /
```

ENAME	JOB	SAL	DEPTNO	DNAME
CLARK	MANAGER	2450	10	ACCOUNTING
			40	OPERATIONS
			20	RESEARCH
			30	SALES

SQL> ED

Wrote file afiedt.buf

```
1  SELECT E.Ename, E.Job, E.Sal, D.Deptno, D.Dname
2  FROM Emp E, Dept D
3  WHERE E.Deptno(+) = D.Deptno
4  AND D.Dname = 'RESEARCH'
5* ORDER BY E.Deptno
```

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SQL> /

ENAME	JOB	SAL	DEPTNO	DNAME
JONES	MANAGER	2975	20	RESEARCH
FORD	ANALYST	3000	20	RESEARCH
ADAMS	CLERK	1100	20	RESEARCH
SCOTT	ANALYST	3000	20	RESEARCH
SMITH	CLERK	800	20	RESEARCH

SQL> ED

Wrote file afiedt.buf

```
1  SELECT E.Ename, E.Job, E.Sal, D.Deptno, D.Dname
2  FROM Emp E, Dept D
3  WHERE E.Deptno(+) = D.Deptno
4  AND D.Dname(+) = 'RESEARCH'
5* ORDER BY E.Deptno
SQL> /
```

ENAME	JOB	SAL	DEPTNO	DNAME
JONES	MANAGER	2975	20	RESEARCH
FORD	ANALYST	3000	20	RESEARCH
ADAMS	CLERK	1100	20	RESEARCH
SCOTT	ANALYST	3000	20	RESEARCH
SMITH	CLERK	800	20	RESEARCH

SQL> cl scr

SQL> ED

Wrote file afiedt.buf

```
1  SELECT E.Ename, E.Job, E.Sal, D.Deptno, D.Dname
2  FROM Emp E, Dept D
3  WHERE E.Deptno(+) = D.Deptno
4  AND E.Sal * 12 > 25000
5* ORDER BY E.Deptno
SQL> /
```

ENAME	JOB	SAL	DEPTNO	DNAME
KING	PRESIDENT	5000	10	ACCOUNTING
CLARK	MANAGER	2450	10	ACCOUNTING

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```
SCOTT      ANALYST      3000      20 RESEARCH
JONES      MANAGER      2975      20 RESEARCH
FORD       ANALYST      3000      20 RESEARCH
BLAKE      MANAGER      2850      30 SALES
```

6 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT E.Ename, E.Job, E.Sal, D.Deptno, D.Dname
2  FROM Emp E, Dept D
3  WHERE E.Deptno(+) = D.Deptno
4  AND E.Sal * 12(+) > 25000
5* ORDER BY E.Deptno
```

SQL> /

```
AND E.Sal * 12(+) > 25000
      *
```

ERROR at line 4:

ORA-00920: invalid relational operator

SQL> ED

Wrote file afiedt.buf

```
1  SELECT E.Ename, E.Job, E.Sal, D.Deptno, D.Dname
2  FROM Emp E, Dept D
3  WHERE E.Deptno(+) = D.Deptno
4  AND E.Sal(+) * 12 > 25000
5* ORDER BY E.Deptno
```

SQL> /

ENAME	JOB	SAL	DEPTNO	DNAME
KING	PRESIDENT	5000	10	ACCOUNTING
CLARK	MANAGER	2450	10	ACCOUNTING
JONES	MANAGER	2975	20	RESEARCH
SCOTT	ANALYST	3000	20	RESEARCH
FORD	ANALYST	3000	20	RESEARCH
BLAKE	MANAGER	2850	30	SALES
			40	OPERATIONS

7 rows selected.

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SQL> ED

Wrote file afiedt.buf

```
1  SELECT E.Ename, E.Job, E.Sal, D.Deptno, D.Dname
2  FROM Emp E, Dept D
3  WHERE E.Deptno(+) = D.Deptno
4  OR E.Sal(+) * 12 > 25000
5* ORDER BY E.Deptno
SQL> /
OR E.Sal(+) * 12 > 25000
      *
```

ERROR at line 4:

ORA-01719: outer join operator (+) not allowed in operand of OR or IN

SQL> ED

Wrote file afiedt.buf

```
1  SELECT E.Ename, E.Job, E.Sal, D.Deptno, D.Dname
2  FROM Emp E, Dept D
3  WHERE E.Deptno(+) = D.Deptno
4  AND E.Sal(+) + NVL(E.Comm, 0) > 2500
5* ORDER BY E.Deptno
SQL> /
AND E.Sal(+) + NVL(E.Comm, 0) > 2500
      *
```

ERROR at line 4:

ORA-01416: two tables cannot be outer-joined to each other

SQL> ED

Wrote file afiedt.buf

```
1  SELECT E.Ename, E.Job, E.Sal, D.Deptno, D.Dname
2  FROM Emp E, Dept D
3  WHERE E.Deptno(+) = D.Deptno
4  AND E.Sal(+) + NVL(E.Comm(+), 0) > 2500
5* ORDER BY E.Deptno
SQL> /
```

ENAME	JOB	SAL	DEPTNO	DNAME
KING	PRESIDENT	5000	10	ACCOUNTING
FORD	ANALYST	3000	20	RESEARCH

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JONES	MANAGER	2975	20	RESEARCH
SCOTT	ANALYST	3000	20	RESEARCH
BLAKE	MANAGER	2850	30	SALES
MARTIN	SALESMAN	1250	30	SALES
			40	OPERATIONS

7 rows selected.

SQL> cl scr

```
SQL> SELECT
  2  E.Ename Employee,
  3  NVL(M.Ename, 'Supreme Authority') Manager
  4  FROM Emp E, Emp M
  5  WHERE E.MGR = M.Empno(+);
```

EMPLOYEE	MANAGER
JONES	KING
CLARK	KING
BLAKE	KING
WARD	BLAKE
JAMES	BLAKE
TURNER	BLAKE
ALLEN	BLAKE
MARTIN	BLAKE
MILLER	CLARK
SCOTT	JONES
FORD	JONES
SMITH	FORD
ADAMS	SCOTT
KING	Supreme Authority

14 rows selected.

SQL> COL Name FORMAT A15

```
SQL> SELECT
  2  C.Name, O.OrdID,
  3  I.ItemID, I.Itemtot, O.Total
  4  FROM Customer C, Ord O, Item I
  5  WHERE C.CustID = O.CustID
  6  AND O.OrdID = I.OrdID
  7  AND C.Name = 'TKB SPORT SHOP';
```

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NAME	ORDID	ITEMID	ITEMTOT	TOTAL
TKB SPORT SHOP	610	2	8.4	101.4
TKB SPORT SHOP	610	1	35	101.4
TKB SPORT SHOP	610	3	58	101.4

SQL> SPOOL OFF

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